

DOCKET NO.: C1039.70073US00

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Arthur M. Krieg et al.

Serial No.:

10/743,625

Confirmation No.:

Not yet assigned

Filed:

December 22, 2003

For:

IMMUNOSTIMULATORY NUCLEIC ACID

MOLECULES

Examiner:

Not yet assigned

Art Unit:

Not yet assigned

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first/class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the day of March, 2004.

Helen C. Lockhart, Ph.D., Reg. No. 39,248

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313/1450

SUPPLEMENTAL STATEMENT FILED PURSUANT TO THE DUTY OF DISCLOSURE UNDER 37 CFR §§1.56, 1.97 AND 1.98

Sir:

Pursuant to the duty of disclosure under 37 C.F.R. §§1.56, 1.97 and 1.98, the Applicant requests consideration of this Information Disclosure Statement.

Compliance with 37 C.F.R. §1.97

This Information Disclosure Statement has been filed before the mailing date of a first Office Action on the merits in the above/identified case. No fee or certification is required.

Information Cited

Applicants hereby make of record in the above/identified application the information listed on the attached form PTO/1449 (modified). The order of presentation of the references should not be construed as an indication of the importance of the references.

Applicants hereby make the following additional information of record in the above/identified application.

Serial No.: 10/743,625

Applicants would like to bring to the Examiner's attention the following co/pending applications that may contain subject matter related to this application (copies enclosed except for C1039.70083US01-07 which are identical to C1039.70083US00 which is enclosed):

Docket Number	Serial Number	Filing Date	Inventor(s)
C1037.70016US00	09/009,634	1/20/98	Hutcherson et al.
C1037.70021US00	09/949,194	9/7/01	Peterson et al.
C1037.70025US00	10/017,995	12/14/01	Bratzler
C1037.70038US01	10/735,592	12/11/03	Krieg et al.
C1037.70041US00	10/613,749	7/3/03	Krieg
C1037.70042US00	10/613,524	7/3/03	Krieg
C1037.70043US00	10/613,739	7/3/03	Krieg
C1037.70044US00	10/613,716	7/3/03	Krieg
C1037.70045US00	10/613,228	7/3/03	Krieg
C1037.70046US00	10/445,247	6/5/03	Krieg
C1037.70048US00	10/644,052	8/19/03	Krieg et al.
C1037.70049US00	10/643,141	8/18/03	Hutcherson et al.
C1037.70051US00	10/666,733	9/19/03	Bratzler et al.
C1037.70052US00	10/668,050	9/22/03	Bratzler et al.
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C1039.70036US00	09/559,140	4/27/00	Noll et al.
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C1039.70075US00	10/613,916	7/3/03	Krieg et al
C1039.70077US00	10/619,279	7/14/03	Krieg
C1039.70078US00	10/627,331	7/25/03	Krieg et al.

Docket Number	Serial Number	Filing Date	Inventor(s)
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C1039.70083US00	10/690,495	10/21/03	Krieg
C1039.70083US01	10/769,626	1/30/04	Krieg et al.
C1039.70083US02	TBD	2/26/04	Krieg et al.
C1039.70083US03	TBD	2/26/04	Krieg et al.
C1039.70083US04	TBD	2/26/04	Krieg et al.
C1039.70083US05	TBD	2/26/04	Krieg et al.
C1039.70083US06	TBD	2/26/04	Krieg et al.
C1039.70083US07	TBD	2/26/04	Krieg et al.
C1039.70084US00	10/649,584	8/25/03	Krieg et al.
C1040.70010US00	09/768,012	1/22/01	Davis et al.
C1041.70002US00	09/241,653	2/2/99	Wagner et al.
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C1041.70010US00	09/786,436	9/3/99	Wagner et al.
C1041.70016US00	09/954,987	9/17/01	Bauer et al.
C1041.70019US00	10/140,013	5/6/02	Schetter et al.
C1041.70029US00	10/212,133	8/1/02	Lipford et al.
C1041.70031US00	10/265,072	10/5/02	Lipford
C1041.70035US00	10/373,381	2/24/03	Wagner et al.
C1041.70037US00	10/407,952	4/4/03	Lipford et al.
C1041.70040US00	10/666,844	9/19/03	Lipford et al.

REMARKS

Documents cited anywhere in the Information Disclosure Statement are enclosed unless otherwise indicated. It is respectfully requested that:

- 1. The Examiner consider completely the cited information, along with any other information, in reaching a determination concerning the patentability of the present claims;
- 2. The enclosed form PTO/1449 be signed by the Examiner to evidence that the cited information has been fully considered by the Patent and Trademark Office during the examination of this application;
- 3. The citations for the information be printed on any patent which issues from this application.

By submitting this Information Disclosure Statement, Applicant make no representation that a search has been performed, of the extent of any search performed, or that more relevant information does not exist.

By submitting this Information Disclosure Statement, Applicants make no representation that the information cited in the Statement is, or is considered to be, material to patentability as defined in 37 C.F.R. §1.56(b).

By submitting this Information Disclosure Statement, Applicants make no representation that the information cited in the Statement is, or is considered to be, in fact, prior art as defined by 35 U.S.C. §102.

Notwithstanding any statements by the Applicants, the Examiner is urged to form his own conclusion regarding the relevance of the cited information.

An early and favorable action is hereby requested.

Respectfully submitted,

Arthur M. Krieg et al., Applicant

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Boston, Massachusetts 02210/2211

Telephone: (617) 720/3500

Docket No.: C1039.70073US00

Date: March \mathcal{E} , 2004

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FORM PTO	O/1449/A and B (Modifie	d)	APPLICATION NO.: 10/743,625	ATTY. DOCKET NO.: C1039.70073US00			
	RMATION			FILING DATE: December 22, 2	CONFIRMATION NO.: Not yet assigned			
STATEMENT BY APPLICANT			LICANT	APPLICANT: Arthur M. Krieg,	APPLICANT: Arthur M. Krieg, et al.			
Sheet	3	of	4	GROUP ART UNIT: Not yet ass	igned EXAMINER: Not yet assigned			

FOREIGN PATENT DOCUMENTS

Examiner's	Cite	Cite Foreign Patent Document		nent	Name of Patentee or Applicant of Cited Document	Date of Publication of	Translation
Initials† No.		Office/ Country	Number	Kind Code	(not necessary)	Cited Document MM/DD/YYYY	(Y/N)
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	C3	BROIDE, D. et al., "DNA-Based Immunization for Asthma", International Archives of Allergy and Immunology, 1999, Pages 453-456, Vol. 118, S. Karger AG. Basel			
	C4	CROFT, M. et al., "Generation of Polarized Antigen-specific CD8 Effector Populations: Reciprocal Action of Interleukin (IL)-4 and IL-12 in Promoting Type 2 versus Type 1 Cytokine Profiles", J. Exp. Med., November 1994, Pages 1715-1728, Vol. 180, The Rockefeller University Press			
	C5	HUANG, L.Y. et al., "Induction and Regulation of Th1-Inducing Cytokines by Bacterial DNA, Lipopolysaccharide, and Heat-Inactivated Bacteria", <i>Infection and Immunity</i> , December 1999, Pages 6257-6263, Vol. 67, No. 12, American Society for Microbiology			
	C6	KAWANO, K. et al., "Analysis and regulation of interferon-gamma production by peripheral blood lymphocytes from patients with bronchial asthma," <i>Arerugi</i> , 43:3:482-91, 1994 (Abstract).			
	C7	KLINE, J.N. et al., "CpG oligodeoxynucleotides do not require T _{H1} cytokines to prevent eosinophilic airway inflammation in a murine model of asthma", <i>J. Allergy Clin. Immunol.</i> , December 1999, Pages 1258-1264, Vol. 104, No. 6			

FORM PTO/1449/A and B (Modified)				APPLICATION NO.: 10/743,625	ATTY. DOCKET NO.: C1039,70073US00
INFORMATION DISCLOSURE			LOSURE	FILING DATE: December 22, 2003	CONFIRMATION NO.: Not yet assigned
STATEMENT BY APPLICANT		APPLICANT: Arthur M. Krieg, et al.			
				GROUP ART UNIT: Not yet assigned	EXAMINER: Not yet assigned
Sheet	4	of	4	1	

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	C18	VAN UDEN, J. et al., "Immunostimulatory DNA and applications to allergic disease", J. Allergy Clin. Immunol., November 1999, Pages 902-910, Vol. 104, No. 5						
	C19	WALKER, C. et al., "Activated T Cells and cytokines in bronchoalveolar lavages from patients with various lung diseases associated with eosinophilia," Am J Respir Crit Care Med, 150:1038-1048, 1994.						
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EXAMINER	DATE CONSIDERED

†EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

^{*}a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. 09/818,918 or Serial No. 08/738,652, filed on October_b 30, 1996 and now issued as U.S. Patent No. 6,207,646, issued on March 27, 2001, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation/in/part, and divisional applications).

^{**} copies of these patents and patent applications are not enclosed pursuant to the waiver by the USPTO of the requirement under 37 C.F.R. 1.98 (a)(2)(i) for patent applications filed after June 30, 2003.

FORM PTO/1449/A and B (Modified)

INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

of 1 of 4 Sheet

APPLICATION NO.: 10/743,625

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CONFIRMATION NO.: Not yet assigned

APPLICANT: Arthur M. Krieg, et al.

GROUP ART UNIT: Not yet assigned

EXAMINER: Not yet assigned

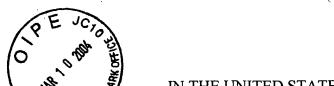
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	<u>vano</u>			U.S. DOCUMENTS	
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FORM PTO/1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT Sheet 2 of 4 APPLICATION NO.: 10/743,625 ATTY. DOCKET NO.: C1039.70073US00 CONFIRMATION NO.: Not yet assigned APPLICANT: Arthur M. Krieg, et al. GROUP ART UNIT: Not yet assigned EXAMINER: Not yet assigned

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CERTIFICATE OF MAILING UNDER 37 C.F.R. 1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on March Q, 2004.

Helen C. Lockhart

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TRANSMITTAL

Sir:

Transmitted herewith is/are the following document(s):

- [X] Supplemental Information Disclosure Statement;
- [X] PTO Form 1449 (copies of references cited);
- [X] Return Receipt Postcard.

If the enclosed papers are considered incomplete, the Mail Room and/or the Application Branch is respectfully requested to contact the undersigned at (617) 720-3500, Boston, Massachusetts.

No fee is enclosed. If there is a fee, please charge to the account of the undersigned, Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully Submitted,

Helen C. Lockhart; Reg. No. 39,248

Wolf, Greenfield & Sacks, P.C.

600 Atlantic Avenue

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Docket No.: Q1039.70073US00

Date: March %, 2004

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